

Re: JP-Patent Appln. 2006-549972: Cited Reference 5

METHOD OF CONTINUOUSLY CASTING THIN SLAB

Publication number: JP2000334552 (A)

Publication date: 2000-12-05

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Classification:

- international: **B22D11/128; B22D11/20; B22D11/128; B22D11/20; (IPC1-7): B22D11/128; B22D11/20**

- European:

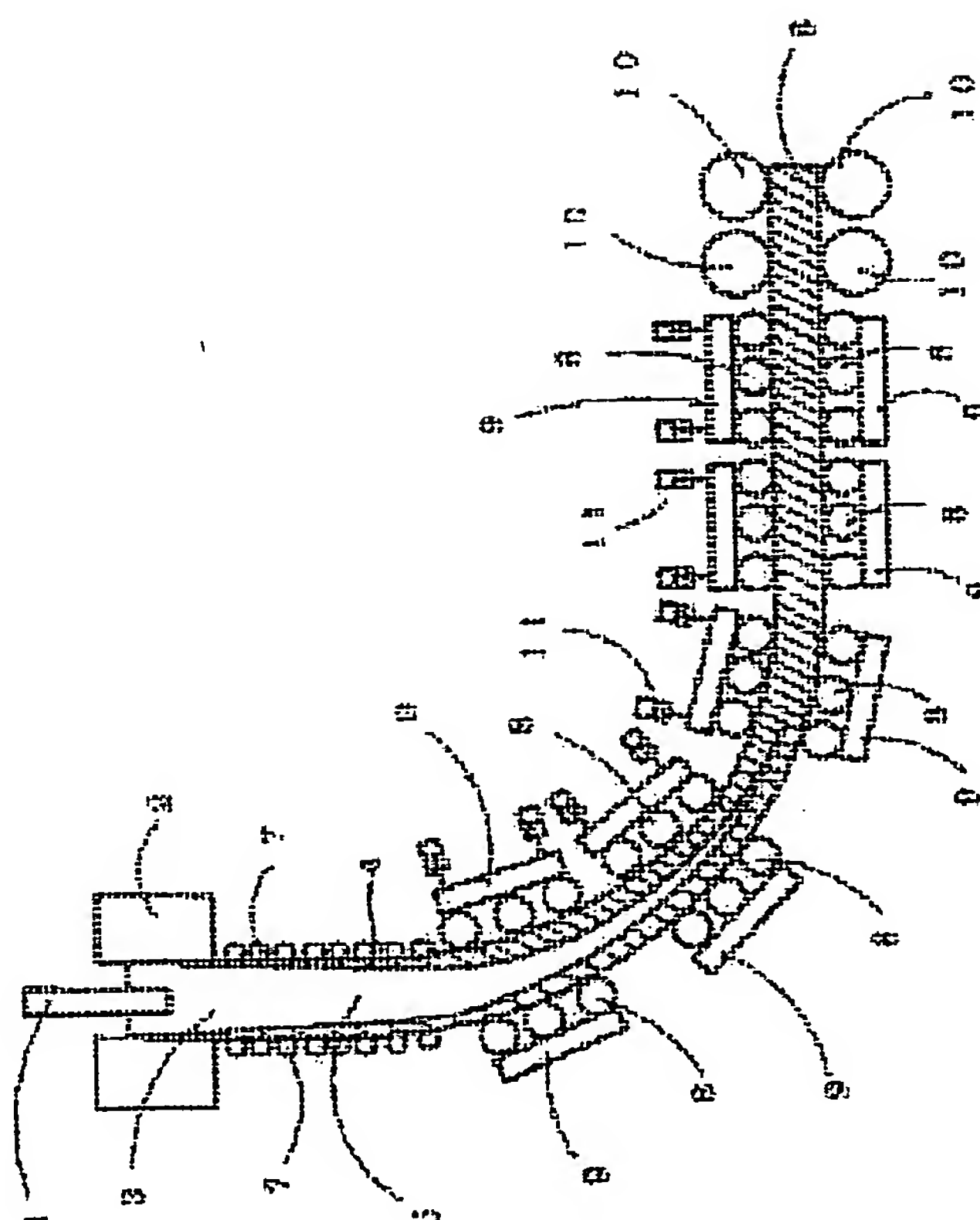
Application number: JP19990145126 19990525

Priority number(s): JP19990145126 19990525

Abstract of JP 2000334552 (A)

PROBLEM TO BE SOLVED: To provide a continuous casting method of a thin cast slab, by which the thin cast slab having a target thickness can be obtd. without developing center segregation and internal crack, even in the case of changing the operational conditions such as kind of steel, casting speed, secondary cooling, rolling reduction.

SOLUTION: In the continuous casting, in which (P) pieces of a rolling reduction segments 9 are provided with plural rolling reduction roll pairs 8, and the rolling reduction segment at the uppermost stream side in the casting direction in these segments is No.1 as the order number, and the rolling reduction is applied to the position where the non-solidified part 5 in the cast slab is disposed. Using (m) pieces of the rolling reduction segments from No.k ($1 \leq k < p$) to No.(k+m-1), the rolling reduction is executed by selecting the No.k in the shortest position and the (m) pieces in the min. pieces so that the final position of the rolling reduction matches to the finishing position of the solidification. Thus, the thin cast slab having the target thickness, is obtd.



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